

# SAEED SOLTANI

## GEOPHYSICIST

### PROFILE

- I am the Cotutelle Ph.D. Student at at the Institut des Sciences de la Terre (ISTERRE, Grenoble, FRANCE) and International Institute of earthquake Engineering and Seismology (IIEES, Tehran, IRAN) currently working on "experimental and numerical 3D modeling of the Tehran's alluvium deposits"

### CONTACT



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Currently:  
Saint Martin D'heres  
Grenoble - France

### SKILLS

Ambient noise techniques	● ● ● ●
Array Processing	● ● ● ●
QGIS	● ● ● ●
Linux	● ● ● ●
Python	● ● ● ●
Adobe collection	● ● ● ●
Numerical modeling	● ● ● ●

#### LANGUAGE SKILLS

English	B2
French	A2/B1

### EDUCATIONS

#### Ph.D Student

SEP 2018 - SEP 2021

IIEES/ Universite Grenoble alpes  
Geophysics (Engineering seismology)  
Thesis : Experimental and numerical 3D modeling of Tehran's alluvium deposits

#### Master of Science

SEP 2012 - FEB 2015

IIEES  
Geophysics (Engineering Seismology)  
Thesis : Velocity structure imaging by inversions of Rayleigh wave ellipticity  
Application to the Arak city

#### Bachelor of Science

SEP 2008 - SEP 2012

Physics

### WORK EXPERIENCE

JUN 2015 - NOW

Numerous Project in IIEES  
Including seismic hazard studies in :  
Tehran, Asalouyeh, Aq-qala, Gomishan,  
Faraghi (Golestan province), Kalpoosh (Semnan province) ...

JUN 2016 - NOW

Part time Research assistant in interdisciplinary studies (engineering studies) (Bonyad Tosee Farda)

## PUBLICATION

Saeed Soltani, Ebrahim Haghshenas, Mohsen Fazlavi (2017). Shear wave velocity microzonation in city of Arak, Using Rayleigh-wave ellipticity, Extracted from ambient noise recording. Bulletin of earthquake science and engineering (BESE), Vol 4:2, Page 33-48

Saeed Soltani, Ebrahim Haghshenas, Gholam Javan Doloei (2020). Evaluation of Site Effect Study Techniques In the Temporary Seismic Network of Lorestan. 19th Iranian geophysics conference, Tehran, Iran

Saeed Soltani, Ebrahim Haghshenas, Bertrand Guillier, Cecile Cornou (2019). 3D modeling of the Tehran alluvial deposits using Active and Passive measurements: Preliminary results of Tehran experiments. Trans-disciplinary Research on Iranian Geology, Geodynamics, Earthquakes and Resources. Zanjan, Iran

Saeed Soltani, Ebrahim Haghshenas, Gholam Javan Doloei (2019). The efficiency of using three component array-based ellipticity methods for site characterization. 8th International Conference on Seismology and Earthquake Engineering (SEE8), Tehran, Iran.

Saeed Soltani, Ebrahim Haghshenas, Bertrand Guillier, Cecile Cornou (2019). THE Necessity of 2/3D site effect studies in big cities of Iran. 8th International Conference on Seismology and Earthquake Engineering (SEE8), Tehran, Iran.

Saeed Soltani, Ebrahim Haghshenas, A study between the relations of Caspian Sea wave height and the low frequency Seismic noise measurements in Tehran (2018). 16th European conference on earthquake engineering, Thessaloniki, Greece.

Ebrahim Haghshenas, Iman Ashayeri, Mahnoosh Biglari, Mojtaba Mousavi, Masoumeh Rakhshandeh, Vahid Tajik, Saeed Soltani, Arman Sadr, Yadgar Houshyar (2017). 21 November 2017 Earthquake Reconnaissance, Vol.2, Site effects, IIEES, Tehran, Iran

Saeed Soltani, Ebrahim Haghshenas, Mohsen Fazlavi (2016). Shear Wave velocity determination using microtremor and earthquake data (Application to the Arak city) 17th Iranian geophysics conference, Tehran, Iran

Saeed Soltani, Ebrahim Haghshenas, Mohsen Fazlavi, Hossein Hamzelou (2015) Sensitivity analysis for the ellipticity of Rayleigh waves. 7th International Conference on Seismology and earthquake Engineering (SEE7), Tehran, Iran.

Saeed Soltani, Ebrahim Haghshenas, Mohsen Fazlavi (2015). Velocity structure imaging by inversions of Rayleigh wave ellipticity Application to the Arak city, Iran. 7th International Conference on Seismology and Earthquake Engineering (SEE7), Tehran, Iran.

## ACCOMPLISHMENTS

Forty Five Days funded scientific Training under collaboration between Iran and France universities in field of Geology/Geodynamics, Earthquakes and Mineral resources (2017). Grenoble, France

Scholarship BGF, Cotutelle Ph.D Student ( Boursiers du Gouvernement Français) (2018)

## PARTICIPATION AND AWARDS

Ambient Vibration Techniques for Site Characterization and Workshop on recent advanced techniques for site characterization. March 2019, L'aquila, Italy

Seismology and Earthquake Engineering Research Infrastructure Alliance for Europe Project (SERA-EU NA5 "Networking databases of site and station characterization"). March 2019, L'aquila, Italy

Best paper in Geotechnical section( 2015). SEE7, Tehran, Iran

## HOBBIES

Travel | Reading | Biking | Learning new skills